

Title (en)  
Highly reliable disk controller

Title (de)  
Höchst zuverlässige Plattensteuerung

Title (fr)  
Contrôleur de disque hautement fiable

Publication  
**EP 1909167 A2 20080409 (EN)**

Application  
**EP 07251474 A 20070403**

Priority  
JP 2006260494 A 20060926

Abstract (en)  
Provided is a unit for protecting data with respect to data transfer between memories of a disk controller. The disk controller (10) for controlling data transfer between a host computer and a disk drive includes: a channel unit (100) having a channel memory (120); a cache unit (400) having a cache memory (420), and a control unit for controlling the data transfer. The data transferred to/from the host computer is transferred in a packet between the channel memory (120) and the cache memory (420), and the control unit for verifying consistency of information included in a header of the packet to be transferred to decide whether transfer can be permitted when the packet is transferred.

IPC 8 full level  
**G06F 3/06** (2006.01); **G06F 12/14** (2006.01)

CPC (source: EP US)  
**G06F 3/0619** (2013.01 - EP US); **G06F 3/0659** (2013.01 - EP US); **G06F 3/0689** (2013.01 - EP US); **G06F 3/0656** (2013.01 - EP US)

Citation (applicant)

- US 2005182864 A1 20050818 - HOSOYA MUTSUMI [JP], et al
- US 2006190696 A1 20060824 - ITO RYUSKE [JP], et al
- US 6901468 B1 20050531 - PALUZZI NICHOLAS [US]

Cited by  
US8402195B2; WO2011052002A1

Designated contracting state (EPC)  
DE FR GB IE

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1909167 A2 20080409; EP 1909167 A3 20100609**; CN 100580649 C 20100113; CN 101154203 A 20080402; CN 101739371 A 20100616; CN 101739371 B 20120829; JP 2008083788 A 20080410; JP 4362502 B2 20091111; US 2008126603 A1 20080529; US 2010082916 A1 20100401; US 7640365 B2 20091229; US 8069272 B2 20111129

DOCDB simple family (application)  
**EP 07251474 A 20070403**; CN 200710104898 A 20070524; CN 200910258021 A 20070524; JP 2006260494 A 20060926; US 60098506 A 20061117; US 63150909 A 20091204